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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	·		
Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
PCT 20974Y International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)	
monational application 140.	and the same that the same tha	and the fact that the fact tha	
PCT/US03/11956	17 April 2003 (17.04.2003)	18 April 2002 (18.04.2002)	
International Patent Classification (IPC)	or national classification and IPC		
IPC(7): C07D 413/06 and US Cl.: 544/1	32		
Applicant			
MERCK & CO., INC.		·	
<ol> <li>This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</li> <li>This REPORT consists of a total of  sheets, including this cover sheet.</li> </ol> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings			
before this Authority	(see Rule 70.16 and Section 6	report and/or sheets containing rectifications made 07 of the Administrative Instructions under the PCT).	
These annexes consist of a	total of sheets.		
<ol><li>This report contains indicate</li></ol>	ations relating to the following	items:	
Basis of the rep	ort		
II Priority			
III Non-establishm			
<del></del>	-	votoy, involute book and industrial approaching	
IV Lack of unity o	f invention		
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain docume			
	in the international application		
. =			
VIII Certain observations on the international application			
Date of submission of the demand	Date	e of completion of this report	
07 November 2003 (07.11.2003)	11 D	pecember 2003 (11.12.2003)	
Name and mailing address of the IPEA/US		orized officer	
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents			
P.O. Box 1450	Rob	ert W. Ramsuer	
Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230 Telephone No. 703-308-1235			
Form PCT/IPEA/409 (cover sheet)/July 1998)			

INTERNATIONAL	DDET IMINARY	EXAMINATION	REPORT

International application No.	
PCT/US03/11956	

I.	Basi	s of the report		
1.	With	regard to the elements of the international application:*		
	$\boxtimes$	the international application as originally filed.		
	$\boxtimes$	the description:		
		pages 1-8 as originally filed		
		pages NONE , filed with the demand pages NONE , filed with the letter of		
	K-2			
	$\square$	the claims:		
		pages 9-12 , as originally filed pages NONE , as amended (together with any statement) under Article 19		
		pages NONE, as amended (together with any statement) under Article 19 pages NONE, filed with the demand		
		pages NONE , filed with the letter of		
	$\nabla$	the drawings:		
		pages none , as originally filed		
		pages NONE , filed with the demand		
		pages NONE, filed with the letter of		
	П	the sequence listing part of the description:		
		pages NONE , as originally filed		
		pages NONE, filed with the demand		
_	:	pages NONE , filed with the letter of		
2.	lang	h regard to the language, all the elements marked above were available or furnished to this Authority in the uage in which the international application was filed, unless otherwise indicated under this item. se elements were available or furnished to this Authority in the following language which is:		
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).		
		the language of publication of the international application (under Rule 48.3(b)).		
		the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).		
3.		h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the mational preliminary examination was carried out on the basis of the sequence listing:		
		contained in the international application in printed form.		
		filed together with the international application in computer readable form.		
		furnished subsequently to this Authority in written form.		
		furnished subsequently to this Authority in computer readable form.		
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.		
		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.		
4.	$\boxtimes$	The amendments have resulted in the cancellation of:		
		the description, pages none		
		the claims, Nos. none		
_		the drawings, sheets/fig none		
5.	L	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**		
th	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).  ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.			
1				

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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US03/11956

	on-establishment of opinion with regard to novelty, inventive step and industrial applicability			
1. The question whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been and will not be examined in respect of:				
	the entire international application,			
$\boxtimes$	claims Nos. 1,6,7,10,12 and 13			
becar	ise:			
	the said international application, or the said claim Nos relate to the following subject matter which does not require international preliminary examination (specify):			
	;			
the description, claims or drawings (indicate particular elements below) or said claims Nos are so that no meaningful opinion could be formed (specify):				
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.			
	no international search report has been established for said claims Nos. 1,6,7,10,12 and 13			
2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid				
	the written form has not been furnished or does not comply with the standard.			
	the computer readable form has not been furnished or does not comply with the standard.			
orm PCT	7/TPEA/409 (Box III) (July 1998)			

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use as an intermediate in the preparation of known medicinal compounds.

International application No. PCT/US03/11956

v.	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1.	STATEMENT			
	Novelty (N)	Claims	2-5,8,9,11 and 14	· YES
		Claims	NONE	NO
	Inventive Step (IS)	Claims	2-5,8,9,11 and 14	YES
		Claims	NONE	NO
	Industrial Applicability (IA)	Claims	2-5,8,9,11 and 14	YES
		Çlaims	NONE	NO
2. CITATIONS AND EXPLANATIONS  Claims 2-5,8,9,11 and 14 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest the process of preparing the N- imino, methyl carbamate morpholino compound by the steps as claimed. The prepared compound has				

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